

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/018967

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60K41/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 318 106 A (* SIEMENS AKTIENGESELLSCHAFT) 15 April 1998 (1998-04-15) claims; figure 2	1-22
X	US 2002/016659 A1 (TASHIRO TSUTOMU ET AL) 7 February 2002 (2002-02-07) claims; figures 2, 3	1-22
X	HARATA Y ET AL: "A simplified serial communication network within a vehicle" IEEE, 1 May 1989 (1989-05-01), pages 437-442, XP010086161 the whole document	1-22
A	US 5 991 669 A (DOMINKE ET AL) 23 November 1999 (1999-11-23) figure 1	1-22
-/-		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

31 March 2005

Date of mailing of the international search report

12/04/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 507 072 A (ROBERT BOSCH GMBH) 7 October 1992 (1992-10-07) cited in the application the whole document</p> <p>-----</p>	1-22

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/018967

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
GB 2318106	A	15-04-1998	DE	19637209 A1	09-04-1998
			FR	2753141 A1	13-03-1998
			JP	10089118 A	07-04-1998
			US	6038505 A	14-03-2000
US 2002016659	A1	07-02-2002	JP	2002036919 A	06-02-2002
			DE	10136258 A1	07-03-2002
US 5991669	A	23-11-1999	DE	19709317 A1	10-09-1998
			JP	10250416 A	22-09-1998
EP 0507072	A	07-10-1992	DE	4111023 A1	08-10-1992
			BR	9201195 A	01-12-1992
			DE	59208827 D1	02-10-1997
			EP	0507072 A2	07-10-1992
			JP	5085228 A	06-04-1993
			US	5351776 A	04-10-1994